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 1 [Communications of the ACM: Volume 51 Issue 9](#)

September 2008 Communications of the ACM

Publisher: ACM

 Full text available: [Digital Edition](#), [Pdf](#) (8.68 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 796, Downloads (12 Months): 2819, Citation

 2 [ABASH: finding bugs in bash scripts](#)

Karl Mazurak, Steve Zdancewic

June 2007 PLAS '07: Proceedings of the 2007 workshop on Programming security

Publisher: ACM

 Full text available: [Pdf](#) (262.29 KB) Additional Information: [full citation](#), [abstract](#), [bibliography](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 54, Citation

This paper describes the design and implementation of ABASH, a tool for finding bugs in bash scripts. Although it makes no formal guarantees, it does provide spurious warnings (largely due to the ...

Keywords: abstract interpretation, bash, scripting languages

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 3 [Experiences of using wearable computers for ambient telepresence](#)

Mikael Drugge, Marcus Nilsson, Roland Parviainen, Peter Parnes

October 2004 ETP '04: Proceedings of the 2004 ACM SIGMM workshop on ETP

Publisher: ACM

 Full text available: [Pdf](#) (1.11 MB) Additional Information: [full citation](#), [abstract](#), [bibliography](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 72, Citation


We present our experiences of using wearable computers for providing ambient telepresence to members of an e-meeting. Using a continuously running e-meeting system and informal studies and observations, this form of ...

Keywords: ambient telepresence, mobile e-meetings, remote interaction

 4 [Labels and event processes in the Asbestos operating system](#)

Steve Vandeboogart, Petros Elstathopoulos, Eddie Kohler, Maxwell Krohn, Cees Kaashoek, Robert Morris, David Mazières

December 2007 Transactions on Computer Systems (TOCS) , Volume 25 I  
 Publisher: ACM

Full text available:  Pdf (1.21 MB)

Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 59, Downloads (12 Months): 302, Citation (

Asbestos, a new operating system, provides novel labeling and isolation the effects of exploitable software flaws. Applications can express a wide range of Asbestos's kernel-enforced labels, including controls ...

Keywords: Information flow, labels, mandatory access control, process servers

## 5 [Interworking of traders in a distributed computing environment](#)

[Michael J. Katchabaw](#), [Meeta M. Khurana](#), [James W. Hong](#), [Michael A. Baue](#)  
 November 1995 CASCON '95: Proceedings of the 1995 conference of the Canadian Collaborative research

Publisher: IBM Press

Full text available:  Pdf (117.52 KB)

Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 19, Citation (

Distributed computing systems are composed of various types of service efficient distributed computing environment largely depends on the effective services. One important aspect of managing services within ...

## 6 [Developing adaptive groupware applications using a mobile component](#)



[Radu Litlu](#), [Atul Parakash](#)

December 2000 CSCW '00: Proceedings of the 2000 ACM conference on Cooperative work

Publisher: ACM

Full text available:  Pdf (168.38 KB)

Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 66, Citation (

A need exists to develop groupware systems that adapt to available resource mobility. This paper presents DACIA, a system that provides mechanisms for applications. Using DACIA, components of a groupware application ...

## 7 [Optimizing memory transactions](#)



[Tim Harris](#), [Mark Plesko](#), [Avraham Shinnar](#), [David Tarditi](#)

June 2006 PLDI '06: Proceedings of the 2006 ACM SIGPLAN conference on Programming language design and implementation

Publisher: ACM

Full text available:  Pdf (235.79 KB)

Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 194, Citation (


Atomic blocks allow programmers to delimit sections of code as 'atomic' implementation to enforce atomicity. Existing work has shown how to implement *word-based transactional memory* that provides scalable ...

Keywords: atomicity, critical regions, transactional memory

Also published in:


June 2006 SIGPLAN Notices Volume 41 Issue 6

8 [The Jupiter audio/video architecture: secure multimedia in network p](#)

 [Pavel Curtis, Michael Dixon, Ron Frederick, David A. Nichols](#)

January 1995 MULTIMEDIA '95: Proceedings of the third ACM international

Publisher: ACM


Full text available:  [Himl](#) (72.37 KB)

Additional Information: [full citation](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 32, Citation (

Keywords: audio, collaboration, encryption, multicast, network places,

9 [An implementation of norm-based agent negotiation](#)

 [Pieter Dijkstra, Henry Prakken, Kees de Vey Mestdagh](#)

June 2007 ICAIL '07: Proceedings of the 11th international conference on

Publisher: ACM


Full text available:  [Pdf](#) (573.49 KB)

Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 52, Citation (

In this paper, we develop our previous outline of a multi-agent architecture for information exchange in crime investigations. Interactions about information exchange (representing police officers) are further analysed as negotiation ...

10 [Design and evaluation of a conit-based continuous consistency model](#)

 [Haifeng Yu, Amin Vahdat](#)

August 2002 Transactions on Computer Systems (TOCS), Volume 20 Issue 4

Publisher: ACM

Full text available:  [Pdf](#) (406.85 KB)


Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 161, Citation (

The tradeoffs between consistency, performance, and availability are well known. However, designers of replicated systems have been forced to choose from a set of guarantees or none at all. This paper explores the ...

Keywords: Conit, consistency model, continuous consistency, network replication

11 [People-centric urban sensing](#)

 [Andrew T. Campbell, Shane B. Eisenman, Nicholas D. Lane, Emiliano Miluzzo](#)

August 2006 WICON '06: Proceedings of the 2nd annual international workshop on

Publisher: ACM

Full text available:  [Pdf](#) (249.73 KB)

Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 44, Downloads (12 Months): 280, Citation (

The vast majority of advances in sensor network research over the last few years have been in the development of a series of small-scale (100s of nodes) testbeds and sensor networks for environmental monitoring, etc.) that are built on ...

Keywords: mobile wireless sensor networks, people-centric, urban sen

## 12 [CORBA Program Development, Part 3](#)

J. Mark Shacklette, Jeff Illian

July 1999 Linux Journal , Volume 1999 Issue 63es


Publisher: Specialized Systems Consultants, Inc.

Full text available:  [Html](#) (25.42 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 20, Citation (

A look at CORBA implementations in Java to provide interoperability bet

## 13 [The language of privacy: Learning from video media space analysis](#)

 Michael Boyle, Saul Greenberg

June 2005 Transactions on Computer-Human Interaction (TOCHI) ,

Publisher: ACM


Full text available:  [Pdf](#) (1.12 MB) Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 284, Citatio

Video media spaces are an excellent crucible for the study of privacy. Tl  
for misuse, prompts ethical questions, and engenders grave concerns fr  
Despite considerable discussion of the privacy ...

Keywords: Human-computer interaction, autonomy, computer-support  
confidentiality, environmental psychology, privacy, social interaction, so  
video media spaces

## 14 [Efficient fork-linearizable access to untrusted shared memory](#)

 Christian Cachin, Abhi Shelat, Alexander Shraer

August 2007 PODC '07: Proceedings of the twenty-sixth annual ACM symposium on distributed computing

Publisher: ACM


Full text available:  [Pdf](#) (359.46 KB) Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 73, Citation (

When data is stored on a faulty server that is accessed concurrently by  
present inconsistent data to different clients. For example, the server m  
of one client, but respond with stale data ...


Keywords: arbitrary failures, fork-consistency, storage emulations

## 15 [Context sensitive access control](#)

 R. J. Hulsebosch, A. H. Salden, M. S. Bargh, P. W. G. Ebben, J. Reitsma

June 2005 SACMAT '05: Proceedings of the tenth ACM symposium on Access control technologies

Publisher: ACM


Full text available:  [Pdf](#) (145.62 KB) Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 268, Citatio

We investigate the practical feasibility of using context information for context-aware access control. Based solely on situational context, we show that users can be transparently granted access to services and that service providers can ...

Keywords: access control, authentication, context sensitive, context aware, access patterns

#### 16 [Conditions for access and use of legal document retrieval web service](#)


 Martine Boonk, Frances Brazier, David de Groot, Maarten van Stekelenburg  
June 2007 ICAIL '07: Proceedings of the 11th international conference on  
Publisher: ACM

Full text available:  Pdf (290.44 KB) Additional Information: [full citation](#), [abstract](#), [bibliography](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 55, Citation (

Documentation is essential to daily legal practice. On-line access is currently imposed by an information service provider with respect to access and to determine the value of such documentation. This paper ...

#### 17 [Tax-and-spend: democratic scheduling for real-time garbage collection](#)

 Joshua Auerbach, David F. Bacon, Perry Cheng, David Grove, Ben Biron, Cl Aleksandar Micic, Ryan Sciampacone  
October 2008 EMSOFT '08: Proceedings of the 7th ACM international conference  
Publisher: ACM


Full text available:  Pdf (909.29 KB) Additional Information: [full citation](#), [abstract](#), [bibliography](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 26, Citation (

Real-time Garbage Collection (RTGC) has recently advanced to the point of production for financial trading, military command-and-control, and telecommunications. Among potential users of RTGC, there is enormous diversity ...

Keywords: garbage collection, java, jvm, real time

#### 18 [A distributed data space for music-related information](#)

 Yves Raimond, Christopher Sutton, Mark Sandler  
September 2007 MS '07: Workshop on multimedia information retrieval on  
semantics

Publisher: ACM

Full text available:  Pdf (620.90 KB) Additional Information: [full citation](#), [abstract](#), [bibliography](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 106, Citation (

In this paper, we describe how some key Semantic Web technologies can be used in a distributed knowledge environment several music-related sources of information to feature extractors or personal music collections. ...

Keywords: MIR, multimedia, music, semantic-web

#### 19 [Container-based operating system virtualization: a scalable, high-performance](#)

 Stephen Soltesz, Herbert Pötzl, Marc E. Fluczynski, Andy Bavier, Larry R. Peterson

June 2007 EuroSys '07: Proceedings of the 2nd ACM SIGOPS/EuroSys Eu  
Systems 2007

Publisher: ACM

Full text available:  Pdf (863.93 KB)

Additional Information: [full citation](#), [abstract](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 59, Downloads (12 Months): 658, Citation (


Hypervisors, popularized by Xen and VMware, are quickly becoming con  
for many usage scenarios, but there are scenarios that require system v  
of both *isolation* and *efficiency*. Examples ...

Keywords: Linux-VServer, Xen, alternative, container, hypervisor, ope

Also published in:

June 2007 SIGOPS Operating Systems Review Volume 41 Issue 3

20 [Applying flow-sensitive CQUAL to verify MINIX authorization check p](#)

 [Timothy Fraser, Nick L. Petroni, Jr., William A. Arbaugh](#)

June 2006 PLAS '06: Proceedings of the 2006 workshop on Programming  
security

Publisher: ACM

Full text available:  Pdf (69.35 KB)

Additional Information: [full citation](#), [abstract](#), [...](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 26, Citation (

We present the first use of flow-sensitive CQUAL to verify the placemen  
authorization checks. Our analysis of MINIX 3 system servers and disco  
Of-Check/Time-Of-Use bug demonstrate the effectiveness of ...

Keywords: CQUAL, MINIX, static analysis, type qualifiers

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